

JUL 27 2004
 TRADEMARK OFFICE

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

PAT. DOCKET NO.

0609.4540003/TJS/FRC

APPLICATION NO.

09/972,913

FIRST NAMED INVENTOR

Bush *et al.*

FILING DATE

October 10, 2001

ART UNIT

1615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
q/s	AAI	5,373,021	12/13/1994	Marangos			04/26/1993
	ABI	5,688,516	11/18/1997	Raad <i>et al.</i>			10/03/1994
	ACI	5,688,651	11/18/1997	Solomon			12/16/1994
	ADI	5,705,401	01/06/1998	Masters <i>et al.</i>			09/16/1994
	AEI	5,721,106	02/24/1998	Maggio <i>et al.</i>			09/12/1994
	AFI	5,980,914	11/09/1999	Gerolymatos			02/13/1998
	AGI	5,994,323	11/30/1999	Gerolymatos			02/13/1998
	AHI	6,001,852	12/14/1999	Gerolymatos			02/13/1998
	AI1	6,323,218	11/27/2001	Bush <i>et al.</i>			03/11/1998
q/s	AJI	2002/0082273	06/27/2002	Bush <i>et al.</i>			09/21/2001
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
q/s	ALI	WO 92/18111	10/29/1992	WIPO			Yes No
	AMI	WO 93/10459	05/27/1993	WIPO			Yes No
	ANI	WO 93/24451	12/09/1993	WIPO			Yes No
	AOI	WO 94/04167	03/03/1994	WIPO			Yes No
q/s	API	WO 95/31199	11/23/1995	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

q/s	AR	1	Assaf, S.Y., and Chung, S-H., "Release of endogenous Zn ²⁺ from brain tissue during activity," <i>Nature</i> 308:734-736, Nature Publishing Group (April 1984)
q/s	AS	1	Atwood, C.S., <i>et al.</i> , "Dramatic Aggregation of Alzheimer A β by Cu(II) Is Induced by Conditions Representing Physiological Acidosis," <i>J. Biol. Chem.</i> 273:12817-12826, American Society for Biochemistry and Molecular Biology (May 1998)
q/s	AT	1	Bacon, P.A., <i>et al.</i> , "Rheumatoid Disease, Amyloidosis and its Treatment with Penicillamine," <i>Eur. J. Rheum. Inflamm.</i> 2:70-74, Cameron Publishers (1979)

EXAMINER

James H. Sheikh

DATE CONSIDERED

9/27/04

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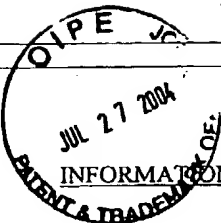
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q/s	AL2	WO 96/07096	03/07/1996	WIPO			Yes No
	AM2	WO 96/12544	05/02/1996	WIPO			Yes No
	AN2	WO 96/28471	09/19/1996	WIPO			Yes No
	AO2	WO 97/04794	02/13/1997	WIPO			Yes No
q/s	AP2	WO 97/09976	03/20/1997	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

q/s	AR	2	Barrow, C.J., and Zagorski, M.G., "Solution Structures of β Peptide and Its Constituent Fragments: Relation to Amyloid Deposition," <i>Science</i> 253:179-182, American Association for the Advancement of Science (July 1991)
q/s	AS	2	Barrow, C.J., <i>et al.</i> , "Solution Conformations and Aggregational Properties of Synthetic Amyloid β -Peptides of Alzheimer's Disease," <i>J. Mol. Biol.</i> 225:1075-1093, Academic Press (June 1992)
q/s	AT	2	Basun, H., <i>et al.</i> , "Metals and trace elements in plasma and cerebrospinal fluid in normal ageing and Alzheimer's disease," <i>J. Neural Transm. [P-D Sect.]</i> 3:231-258, Springer-Verlag (1991)

EXAMINER <i>Sumera H. Sheikh</i>	DATE CONSIDERED 9/27/04
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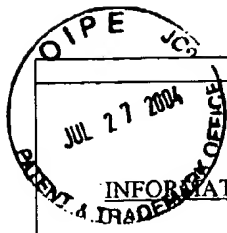
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<i>Q/S</i>	AL3	WO 97/36885	10/09/1997	WIPO			Yes No
<i>Q/S</i>	AM3	WO 98/06403	02/19/1998	WIPO			Yes No
<i>Q/S</i>	AN3	WO 98/40071	09/17/1998	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>Q/S</i>	AR	<u>3</u>	Behl, C., <i>et al.</i> , "Hydrogen Peroxide Mediates Amyloid β Protein Toxicity," <i>Cell</i> 77:817-827, Cell Press (June 1994)				
<i>Q/S</i>	AS	<u>3</u>	Biaglow, J.E., and Kachur, A.V., "The Generation of Hydroxyl Radicals in the Reaction of Molecular Oxygen with Polyphosphate Complexes of Ferrous Ion," <i>Radiat. Res.</i> 148:181-187, Kluge Carden Jennings Pub. Co. (August 1997)				
<i>Q/S</i>	AT	<u>3</u>	Boado, R.J., <i>et al.</i> , "Drug Delivery of Antisense Molecules to the Brain for Treatment of Alzheimer's Disease and Cerebral AIDS," <i>J. Pharm. Sci.</i> 87:1308-1315, American Pharmaceutical Association (November 1998)				

EXAMINER <i>Sumera H. Sheikh</i>	DATE CONSIDERED <i>9/27/04</i>
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

g/s	AR	4	Borman, S., "Diverse Strategies Emerge For Diagnosing Alzheimer's Disease," <i>Chem. Eng. News</i> 272:33-34, American Chemical Society (June 1996)
g/s	AS	4	Bruce, A.J., <i>et al.</i> , " β -Amyloid toxicity in organotypic hippocampal cultures: Protection by EUK-8, a synthetic catalytic free radical scavenger," <i>Proc. Natl. Acad. Sci. USA</i> 93:2312-2316, National Academy of Sciences (March 1996)
g/s	AT	4	Burdick, D., <i>et al.</i> , "Assembly and Aggregation Properties of Synthetic Alzheimer's A4/ β Amyloid Peptide Analogs," <i>J. Biol. Chem.</i> 267:546-554, American Society for Biochemistry and Molecular Biology (January 1992)

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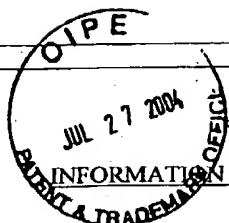
Shirley A. Sheikh

DATE CONSIDERED

9/27/04

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Page 5 of 55



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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FIRST NAMED INVENTOR Bush <i>et al.</i>	
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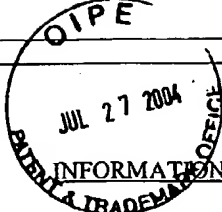
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
q/s	AR	5	Burns, J.A., <i>et al.</i> , "Selective Reduction of Disulfides by Tris(2-carboxyethyl)phosphine," <i>J. Org. Chem.</i> 56:2648-2650, American Chemical Society (April 1991)
q/s	AS	5	Busciglio, J., and Yankner, B.A., "Apoptosis and increased generation of reactive oxygen species in Down's Syndrome neurons <i>in vitro</i> ," <i>Nature</i> 378:776-779, Nature Publishing Co. (December 1995)
q/s	AT	5	Bush, A.I., <i>et al.</i> , "A Novel Zinc(II) Binding Site Modulates the Function of the β A4 Amyloid Protein Precursor of Alzheimer's Disease," <i>J. Biol. Chem.</i> 268:16109-16112, American Society for Biochemistry and Molecular Biology (August 1993)




EXAMINER <i>Sumner H. Reed</i>	DATE CONSIDERED 9/27/04
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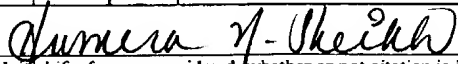
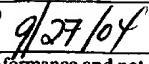
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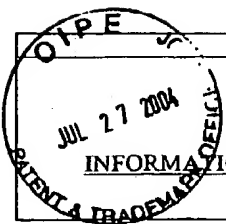
 FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		Page 6 of 55		
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	AM						Yes No
	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	6	Bush, A.I., <i>et al.</i> , "Modulation of A β Adhesiveness and Secretase Site Cleavage by Zinc," <i>J. Biol. Chem.</i> 269:12152-12158, American Society for Biochemistry and Molecular Biology (April 1994)
	AS	6	Bush, A.I., <i>et al.</i> , "The Amyloid β -Protein Precursor and Its Mammalian Homologues," <i>J. Biol. Chem.</i> 269:26618-26621, American Society for Biochemistry and Molecular Biology (October 1994)
	AT	6	Bush, A.I., <i>et al.</i> , "Rapid Induction of Alzheimer A β Amyloid Formation by Zinc," <i>Science</i> 265:1464-1467, American Association for the Advancement of Science (September 1994)

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Page 7 of 55

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	AM						Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Q/S	AR	1	Bush, A.I., <i>et al.</i> , Response to "Zinc and Alzheimer's Disease," <i>Science</i> 268:1920-1923, American Association for the Advancement of Science (June 1995)
Q/S	AS	1	Butterfield, D.A., <i>et al.</i> , " β -Amyloid Peptide Free Radical Fragments Initiate Synaptosomal Lipoperoxidation in a Sequence-Specific Fashion: Implications to Alzheimer's Disease," <i>Biochem. Biophys. Res. Commun.</i> 200:710-715, Academic Press (April 1994)
Q/S	AT	1	Butterfield, D.A., <i>et al.</i> , " $A\beta$ (25-35) Peptide Displays H_2O_2 -Like Reactivity Towards Aqueous Fe^{2+} , Nitroxide Spin Probes, and Synaptosomal Membrane Proteins," <i>Life Sci.</i> 58:217-228, Pergamon Press (1996)

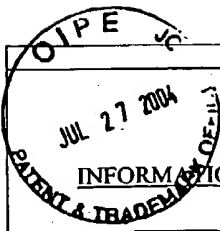
EXAMINER

Shumma N. Sheikh

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Page 8 of 55

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q/s	AR	8	Cherny, R.A., <i>et al.</i> , "The Aggregation of A β in Human Brain is Mediated by Zinc," <i>Abstr. Soc. Neurosci.</i> 23:534, Society For Neuroscience (October 1997)
q/s	AS	8	Chong, Y.-H., and Suh, Y.-H., "Aggregation of amyloid precursor proteins by aluminum in vitro," <i>Brain Research</i> 670:137-141, Elsevier/North-Holland Biomedical Press (January 1995)
q/s	AT	8	Colaco, C.A.L.S., <i>et al.</i> , "The role of the Maillard reaction in other pathologies: Alzheimer's disease," <i>Nephrol. Dial. Transplant.</i> 11(Suppl. 5):7-12, Springer International (1996)

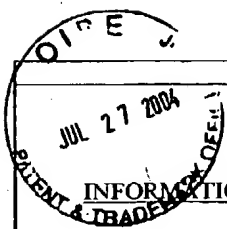
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Jumew & Shukla

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<i>g/s</i>	AR	2	Connor, J.R., <i>et al.</i> , "A Histochemical Study of Iron, Transferrin, and Ferritin in Alzheimer's Diseased Brains," <i>J. Neurosci. Res.</i> 31:75-83, Wiley Interscience (January 1992)
<i>g/s</i>	AS	2	Connor, J.R., <i>et al.</i> , "Ceruleoplasmin levels in the human superior temporal gyrus in aging and Alzheimer's disease," <i>Neurosci. Lett.</i> 159:88-90, Elsevier/North-Holland (September 1993)
<i>g/s</i>	AT	2	Coyle, J.T., and Puttfarcken, P., "Oxidative Stress, Glutamate, and Neurodegenerative Disorders," <i>Science</i> 262:689-695, American Association for the Advancement of Science (October 1993)

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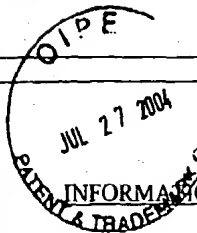
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Page 10 of 55

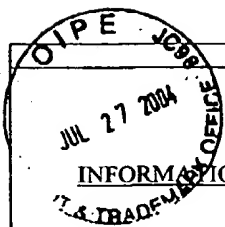
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g/s	AR	10	Crapper McLachlan, D.R., <i>et al.</i> , "Intramuscular desferrioxamine in patients with Alzheimer's disease," <i>Lancet</i> 337:1304-1308, Lancet Publishing Group (June 1991)
g/s	AS	10	Cuajungco, M.P., and Lees, G.J., "Zinc and Alzheimer's disease: is there a direct link?" <i>Brain Res. Rev.</i> 23:219-236, Elsevier Science B.V. (April 1997)
g/s	AT	10	Dedman, D.J., <i>et al.</i> , "Iron and aluminum in relation to brain ferritin in normal individuals and Alzheimer's-disease and chronic renal-dialysis patients," <i>Biochem J.</i> 287:509-514, UK Biochemical Society (1992)

EXAMINER <i>Lumina H. Sheikh</i>	DATE CONSIDERED <i>9/27/04</i>
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>g/s</i>	AR	<u>11</u>	Deibel, M.A., <i>et al.</i> , "Copper, iron, and zinc imbalances in severely degenerated brain regions in Alzheimer's disease: possible relation to oxidative stress," <i>J. Neurol. Sci.</i> 143:137-142, Elsevier (November 1996)
<i>g/s</i>	AS	<u>11</u>	Doré, S., <i>et al.</i> , "Insulin-like growth factor I protects and rescues hippocampal neurons against β -amyloid- and human amylin-induced toxicity," <i>Proc. Natl. Acad. Sci. USA</i> 94:4772-4777, National Academy of Sciences (April 1997)
<i>g/s</i>	AT	<u>11</u>	Dryks, T., <i>et al.</i> , "Amyloidogenicity of β A4 and β A4-bearing Amyloid Protein Precursor Fragments by Metal-catalyzed Oxidation," <i>J. Biol. Chem.</i> 267:18210-18217, American Society for Biochemistry and Molecular Biology (September 1992)

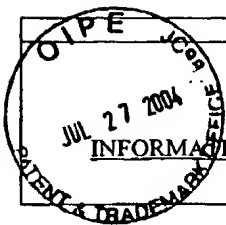
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Hunera H. Sheikh

DATE CONSIDERED

9/27/04

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FORM PTO-1449

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ATTY. DOCKET NO.
0609.4540003/TJS/FRC
FIRST NAMED INVENTOR
Bush *et al.*
FILING DATE
October 10, 2001

APPLICATION NO.
09/972,913
ART UNIT
1615

U.S. PATENT DOCUMENTS

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q/s	AR	12	Ehmann W.D., <i>et al.</i> , "Brain Trace Elements in Alzheimer's Disease," <i>NeuroToxicology</i> 7:197-206, Elsevier Science (1986)
q/s	AS	12	Esler, W.P., <i>et al.</i> , "Zinc-Induced Aggregation of Human and Rat β -Amyloid Peptides In Vitro," <i>J. Neurochem.</i> 66:723-732, Blackwell Science (February 1996)
q/s	AT	12	Esler, W.P., <i>et al.</i> , "A β deposition inhibitor screen using synthetic amyloid," <i>Nat. Biotechnol.</i> 15:258-263, Nature Publishing Co. (March 1997)

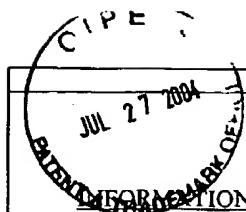
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James T. Sheehan

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9/27/04

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FORM PTO-1449

PATENT INFORMATION DISCLOSURE STATEMENT

Page 13 of 55

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<i>g/s</i>	AR	<u>13</u>	Fitzgerald, D.J., "Zinc and Alzheimer's Disease," <i>Science</i> 268:1920, American Association for the Advancement of Science (June 1995)
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<i>g/s</i>	AT	<u>13</u>	Frederikse, P.H., <i>et al.</i> , "Oxidative Stress Increases Production of β -Amyloid Precursor Protein and β -Amyloid (A β) in Mammalian Lenses, and A β Has Toxic Effects on Lens Epithelial Cells," <i>J. Biol. Chem.</i> 271:10169-10174, American Society for Biochemistry and Molecular Biology (April 1996)

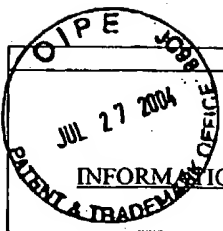
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Junea H. Sheikh

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<i>g/s</i>	AR	<u>14</u>	Frederickson, C.J., "Neurobiology of Zinc and Zinc-Containing Neurons," <i>Int. Rev. Neurobiol.</i> 31:145-238, Academic Press (1989)
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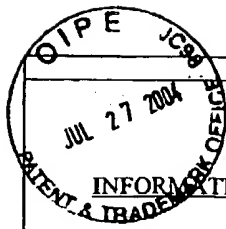
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Humera N. Sheikh

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Shirley H. Sheehan

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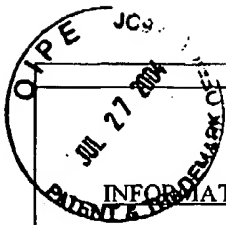
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g/s	AR	17	Gorevic, P.D., <i>et al.</i> , "The Biological Significance of Amyloid," <i>Ann. NY Acad. Sci.</i> 389:380-394, New York Academy Of Sciences (1982)
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g/s	AT	17	Gutteridge, J.M.C., and Wilkins, S., "Copper Salt-Dependent Hydroxyl Radical Formation Damage to Proteins Acting as Antioxidants," <i>Biochim. Biophys. Acta</i> 759:38-41, Elsevier (August 1983)

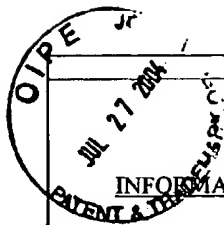
EXAMINER

Gurnee V. Pheba

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<i>g/s</i>	AR	18	Haass, C., <i>et al.</i> , "Amyloid β -peptide is produced by cultured cells during normal metabolism," <i>Nature</i> 359:322-325, Nature Pub. Co. (September 1992)
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<i>g/s</i>	AT	18	Halliwell, B., and Gutteridge, J.M.C., "Oxygen toxicity, oxygen radicals, transition metals and disease," <i>Biochem. J.</i> 219:1-14, UK Biochemical Society (April 1984)

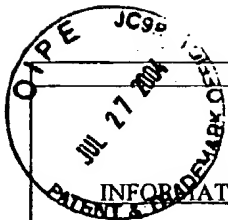
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Shumera Y. Sheikh

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<i>JS</i>	AR	19	Halliwell, B., "Reactive Oxygen Species and the Central Nervous System," <i>J. Neurochem.</i> 59:1609-1623, Blackwell Science (November 1992)
<i>JS</i>	AS	19	Han, J., <i>et al.</i> , "Quantitation of Hydrogen Peroxide Using Tris(2-carboxyethyl)phosphine," <i>Anal. Biochem.</i> 234:107-109, Academic Press (February 1996)
<i>JS</i>	AT	19	Han, J.C., and Han, G.Y., "A Procedure for Quantitative Determination of Tris(2-carboxyethyl)phosphine, an Odorless Reducing Agent More Stable and Effective Than Dithiothreitol," <i>Anal. Biochem.</i> 220:5-10, Academic Press (July 1994)

EXAMINER

Sumera V. Sheikh

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g/s	AR	20	Hansen, M.B., <i>et al.</i> , "Re-examination and further development of a precise and rapid dye method for measuring cell growth/cell kill," <i>J. Immunol. Meth.</i> 119:203-210, North-Holland Pub. Co. (May 1989)
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EXAMINER Humea J. Phelps	DATE CONSIDERED 9/23/04
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Q/S	AR	21	Hensley, K., <i>et al.</i> , "A model for beta-amyloid aggregation and neurotoxicity based on free radical generation by the peptide: Relevance to Alzheimer disease," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91:3270-3274, National Academy of Sciences (April 1994)
Q/S	AS	21	Hensley, K., <i>et al.</i> , "Brain Regional Correspondence Between Alzheimer's Disease Histopathology and Biomarkers of Protein Oxidation," <i>J. Neurochem.</i> 65:2146-2156, Blackwell Science (November 1995)
Q/S	AT	21	Hensley, K., <i>et al.</i> , "Reactive Oxygen Species as Causal Agents in the Neurotoxicity of the Alzheimer's Disease-Associated Amyloid Beta Peptide," <i>Ann. NY Acad. Sci.</i> 786:120-134, New York Academy Of Sciences (1996)

EXAMINER <i>Shirley M. Shick</i>	DATE CONSIDERED <i>9/27/04</i>
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<i>g/s</i>	AR	22	Hesse, L., <i>et al.</i> , "The β A4 amyloid precursor protein binding to copper," <i>FEBS Lett.</i> 349:109-116, Elsevier Science B.V. (July 1994)
<i>g/s</i>	AS	22	Hilbich, C., <i>et al.</i> , "Aggregation and Secondary Structure of Synthetic Amyloid β A4 Peptides of Alzheimer's Disease," <i>J. Mol. Biol.</i> 218:149-163, Academic Press (March 1991)
<i>g/s</i>	AT	22	Hilbich, C., <i>et al.</i> , "Substitutions of Hydrophobic Amino Acids Reduce the Amyloidogenicity of Alzheimer's Disease β A4 Peptides," <i>J. Mol. Biol.</i> 228:460-473, Academic Press (November 1992)

EXAMINER

Humera / Sheikh

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g/s	AR	23	Hsu, J.M., <i>et al.</i> , "Zinc Deficiency and Incorporation of ¹⁴ C-labeled Methionine into Tissue Proteins in Rats," <i>J. Nutr.</i> 99:425-432, American Institute Of Nutrition (December 1969)
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g/s	AT	23	Ida, N., <i>et al.</i> , "Analysis of Heterogeneous βA4 Peptides in Human Cerebrospinal Fluid and Blood by a Newly Developed Sensitive Western Blot Assay," <i>J. Biol. Chem.</i> 271:22908-22914, American Society for Biochemistry and Molecular Biology (September 1996)

EXAMINER <i>Shirley Y. Shieh</i>	DATE CONSIDERED 9/23/04
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

Page 24 of 55

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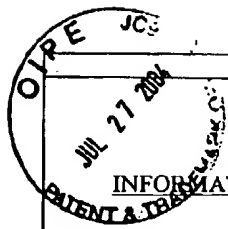
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0609.4540003/TJS/FRC

APPLICATION NO.

09/972,913

FIRST NAMED INVENTOR

Bush *et al.*

FILING DATE

October 10, 2001

ART UNIT

1615

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Shirley N. Sheikh

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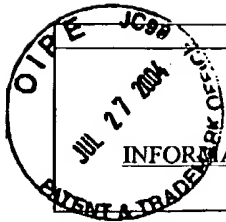
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Chunessa Y. Phue

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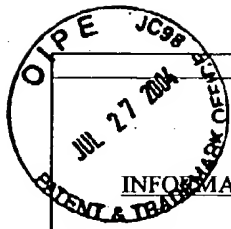
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Jumera Y. Sheikh

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 PATENT & INFORMATION DISCLOSURE STATEMENT

FORM PTO-1449		ATTY. DOCKET NO. 0609.4540003/TJS/FRC	Page 29 of 55
INFORMATION DISCLOSURE STATEMENT		FIRST NAMED INVENTOR Bush <i>et al.</i>	APPLICATION NO. 09/972,913
		FILING DATE October 10, 2001	ART UNIT 1615

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EXAMINER	<i>James H. Puckett</i>	DATE CONSIDERED	9/27/04
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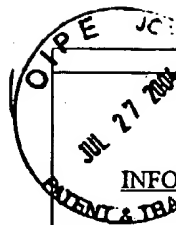
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Shumica H. Puchko

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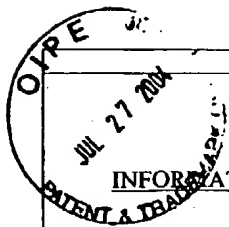
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<i>JP</i>	AR	32	Maury, C.P.J., "Biology of Disease: Molecular Pathogenesis of β -Amyloidosis in Alzheimer's Disease And Other Cerebral Amyloidoses," <i>Lab. Invest.</i> 72:4-16, Lippincott Williams & Wilkins (January 1995)
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<i>JP</i>	AT	32	Mecocci, P., <i>et al.</i> , "Oxidative Damage to Mitochondrial DNA Shows Marked Age-dependent Increases in Human Brain," <i>Ann. Neurol.</i> 34:609-616, Wiley-Liss (October 1993)

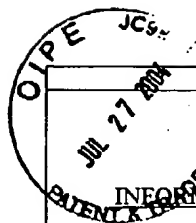
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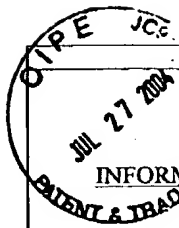
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Dunne M. Sheikh

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

Page 36 of 55

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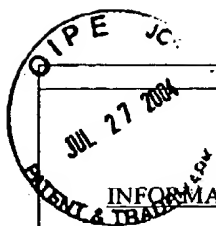
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FORM PTO-1449

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ATTY. DOCKET NO.
0609.4540003/TJS/FRCAPPLICATION NO.
09/972,913FIRST NAMED INVENTOR
Bush *et al.*FILING DATE
October 10, 2001ART UNIT
1615

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<i>g/s</i>	AR	<u>37</u>	Peters, G., and Rodgers, M.A.J., "Single-Electron Transfer from NADH Analogues to Singlet Oxygen," <i>Biochim. Biophys. Acta</i> 637:43-52, Elsevier (August 1981)
<i>g/s</i>	AS	<u>37</u>	Pierce, J.E.S., <i>et al.</i> , "Immunohistochemical Characterization of Alterations in the Distribution of Amyloid Precursor Proteins and β -Amyloid Peptide after Experimental Brain Injury in the Rat," <i>J. Neurosci.</i> 16:1083-1090, Society for Neuroscience (February 1996)
<i>g/s</i>	AT	<u>37</u>	Potempa, L.A., <i>et al.</i> , "Effect of Divalent Metal Ions and pH upon the Binding Reactivity of Human Serum Amyloid P Component, a C-reactive Protein Homologue, for Zymosan," <i>J. Biol. Chem.</i> 260:12142-12147, American Society for Biochemistry and Molecular Biology (October 1985)

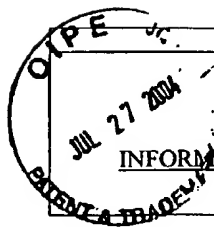
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Humera N. Sheikh

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ART UNIT

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<i>g/s</i>	AR	<u>38</u>	Richardson, J.S., <i>et al.</i> , "On the Possible Role of Iron-Induced Free Radical Peroxidation in Neural Degeneration in Alzheimer's Disease," <i>Ann. N.Y. Acad. Sci.</i> 648:326-327, New York Academy of Science (1992)
<i>g/s</i>	AS	<u>38</u>	Roberts, G.W., <i>et al.</i> , "βA4 amyloid protein deposition in brain after head trauma," <i>Lancet</i> 338:1422-1423, Lancet Publishing Group (December 1991)
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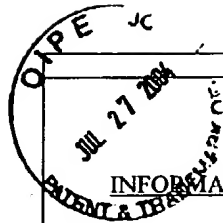
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q/s	AT	39	Rumble, B. <i>et al.</i> , "Amyloid A4 Protein and Its Precursor in Down's Syndrome and Alzheimer's Disease," <i>N. Engl. J. Med.</i> 320:1446-1452, Massachusetts Medical Society (June 1989)

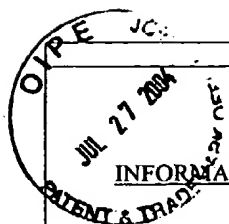
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Shirley J. Shields

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9/27/04

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g/s	AR	40	Sadowski, M. <i>et al.</i> , "Astrocyte and microglia reaction in Alzheimer's disease in the hippocampal formation- a quantitative analysis," <i>Alzheimer's Res.</i> 1:71-76, Rapid Science Publishers (1995)
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g/s	AT	40	Sayre, L.M., "Alzheimer's Precursor Protein and the Use of Bathocuproine for Determining Reduction of Copper(II)," <i>Science</i> 274:1933-1934, American Association for the Advancement of Science (December 1996)

EXAMINER

James H. Shields

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9/29/04

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

Page 41 of 55

ATTY. DOCKET NO.

0609.4540003/TJS/FRC

APPLICATION NO.

09/972,913

FIRST NAMED INVENTOR

Bush *et al.*

FILING DATE

October 10, 2001

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g/s	AR	41	Schnabel, J., "New Alzheimer's Therapy Suggested," <i>Science</i> 260:1719-1720, American Association for the Advancement of Science (June 1993)
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g/s	AT	41	Selkoe, D.J., "Cell Biology of the Amyloid B-protein Precursor and the Mechanism of Alzheimer's Disease," <i>Annu. Rev. Cell Biol.</i> 10:373-403, Annual Reviews (1994).

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Hameed Y. Sheikh

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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 0609.4540003/TJS/FRC
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 Bush *et al.*
 FILING DATE
 October 10, 2001

APPLICATION NO.
 09/972,913
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q/s	AR	42	Seubert, P., <i>et al.</i> , "Isolation and quantification of soluble Alzheimer's β -peptide from biological fluids," <i>Nature</i> 359:325-327, Nature Pub. Co. (September 1992)
q/s	AS	42	Shiraki, H., "Neuropathological aspects of the etiopathogenesis of subacute myelo-optico-neuropathy (SMON)," in <i>Handbook of Clinical Neurology. Intoxications of the Nervous System Part II</i> , Vinken, P. J. and Bruyn, G. W., eds., North-Holland Publishing Company, Amsterdam, Holland, pp.141-198 (1979)
q/s	AT	42	Shivers, B.D., <i>et al.</i> , "Alzheimer's disease amyloidogenic glycoprotein: expression pattern in rat brain suggests a role in cell contact," <i>EMBO J.</i> 7:1365-1370, Oxford University Press (1988)

EXAMINER Sumera H. Sheikh DATE CONSIDERED 9/27/04

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4540003/TJS/FRC	APPLICATION NO. 09/972,913
FIRST NAMED INVENTOR Bush <i>et al.</i>	
FILING DATE October 10, 2001	ART UNIT 1615

U.S. PATENT DOCUMENTS

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<i>q/s</i>	AR	<u>43</u>	Shoji, M., <i>et al.</i> , "Production of the Alzheimer Amyloid β Protein by Normal Proteolytic Processing," <i>Science</i> 258:126-129, American Association for the Advancement of Science (October 1992)
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<i>gk</i>	AT	<u>43</u>	Skinner, M., <i>et al.</i> , "Observations on the amyloid-degrading activity of serum and its relationship to human neutrophil elastase," <i>Chem. Abst.</i> 101:453, Abstract No. 101:208677n, American Chemical Society (December 1984)

EXAMINER <i>Quinn M. Sheikh</i>	DATE CONSIDERED <i>9/27/04</i>
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FORM PTO-1449

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FIRST NAMED INVENTOR

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October 10, 2001

ART UNIT

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g/s	AT	44	Smith, M.A., <i>et al.</i> , "Radical AGEing in Alzheimer's disease," <i>Trends Neurosci.</i> 18:172-176, Elsevier/North-Holland (April 1995)

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FORM PTO-1449

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<i>g/s</i>	AT	45	Soto, C., <i>et al.</i> , "β-sheet breaker peptides inhibit fibrillogenesis in a rat brain model of amyloidosis: Implications for Alzheimer's therapy," <i>Nat. Med.</i> 4:822-826, Nature Pub. Co. (July 1998)

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gs	AR	46	Soto, C., <i>et al.</i> , "Structural Determinants of the Alzheimer's Amyloid β -Peptide," <i>J. Neurochem.</i> 63:1191-1198, Blackwell Science (October 1994)
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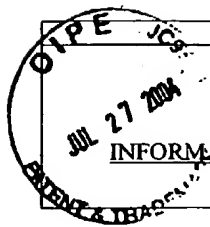
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<i>g/s</i>	AR	<u>47</u>	Tanzi, R.E., <i>et al.</i> , "Amyloid β Protein Gene: cDNA, mRNA Distribution, and Genetic Linkage Near the Alzheimer Locus," <i>Science</i> 235:880-884, American Association for the Advancement of Science (February 1987)
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<i>g/s</i>	AT	<u>47</u>	Tateishi, J., <i>et al.</i> , "Strain-differences in dogs for neurotoxicity of clioquinol," <i>Lancet</i> 1:1289-1290, Lancet Publishing Group (June 1972)

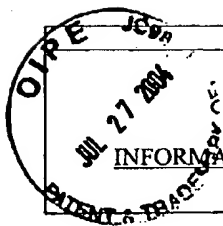
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q/s	AR	48	Tateishi, J., <i>et al.</i> , "Myeloneuropathy in dogs induced by iodoxyquinoline," <i>Neurology</i> 22:702-709, Lippincott, Williams & Wilkins (July 1972)
q/s	AS	48	Tateishi, J., <i>et al.</i> , "Autoradiographic Distribution of ¹³¹ I-Clioquinol in Canine and Feline," <i>Folia. Psychiatr. Neurol. Jpn.</i> 26:159-164, Japanese Society for Psychiatry and Neurology (1972)
q/s	AT	48	Tateishi, J., <i>et al.</i> , "Experimental Myelo-optic Neuropathy Induced by Clioquinol," <i>Acta Neuropath. (Berl.)</i> 24:304-320, Springer Verlag (1973)

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Kurnera N. (Kiebel)

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g/s	AR	49	Tateishi, J., <i>et al.</i> , "Neurotoxicity of Clioquinol. Part III: Autoradiographic Distribution of Radioactive Clioquinol in Several Species of Animals," <i>Seishin Shinkeigaku Zasshi</i> . 75:187-196, Nihon Seishin Shinkei Gakkai (1973)
g/s	AS	49	Tateishi, J., <i>et al.</i> , "Neurotoxicity of Clioquinol in Laboratory Animals," <i>Lancet</i> 2:1095, Lancet Publishing Group (November 1972)
g/s	AT	49	Teller, J.K., <i>et al.</i> , "Presence of soluble amyloid β -peptide precedes amyloid plaque formation in Down's Syndrome," <i>Nature Med.</i> 2:93-95, Nature Pub. Co. (January 1996)

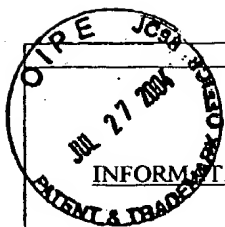
EXAMINER

Dumica V. Meek

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0609.4540003/TJS/FRC

APPLICATION NO.

09/972,913

FIRST NAMED INVENTOR

Bush *et al.*

FILING DATE

October 10, 2001

ART UNIT

1615

U.S. PATENT DOCUMENTS

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q/s	AR	50	Terhune, M.W., and Sandstead, H.H., "Decreased RNA Polymerase Activity in Mammalian Zinc Deficiency," <i>Science</i> 177:68-69, American Association for the Advancement of Science (July 1972)
q/s	AS	50	Thomas, T., <i>et al.</i> , " β -Amyloid-mediated vasoactivity and vascular endothelial damage," <i>Nature</i> 380:168-171, Nature Pub. Co. (March 1996)
q/s	AT	50	Tomiyama, T., <i>et al.</i> , "Rifampicin Prevents the Aggregation and Neurotoxicity of Amyloid β Protein <i>In Vitro</i> ," <i>Biochem. Biophys. Res. Comm.</i> 204:76-83, Academic Press (October 1994)

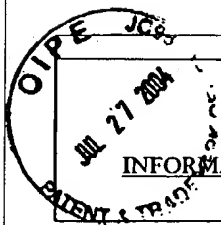
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Sumera N. Sheikh

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EXAMINER

James A. Puckett

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q/s	AR	52	Treuhaff, P.S., and McCarty, D.J., "Synovial Fluid pH, lactate, Oxygen and Carbon Dioxide Partial Pressure in Various Joint Diseases," <i>Arthritis Rheum.</i> 14:475-484, Wiley-Liss (July-August 1971)
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q/s	AT	52	Warren, P.J., <i>et al.</i> , "The Distribution of Copper in Human Brain," <i>Brain</i> , 83:709-717, Oxford University Press (1960)

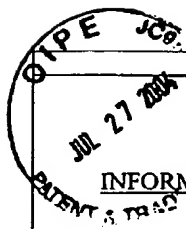
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Humera Y. Sheikh

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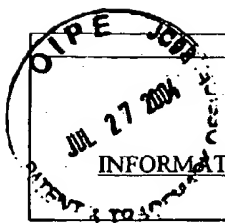
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EXAMINER *Humera H Sheikh*

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Q/S	AR	55	Soto, C., <i>et al.</i> , "Inhibition of Alzheimer's Amyloidosis by Peptides That Prevent β -Sheet Conformation," <i>Biochem. Biophys. Res. Comm.</i> 226:672-680, Academic Press (September 1996)
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